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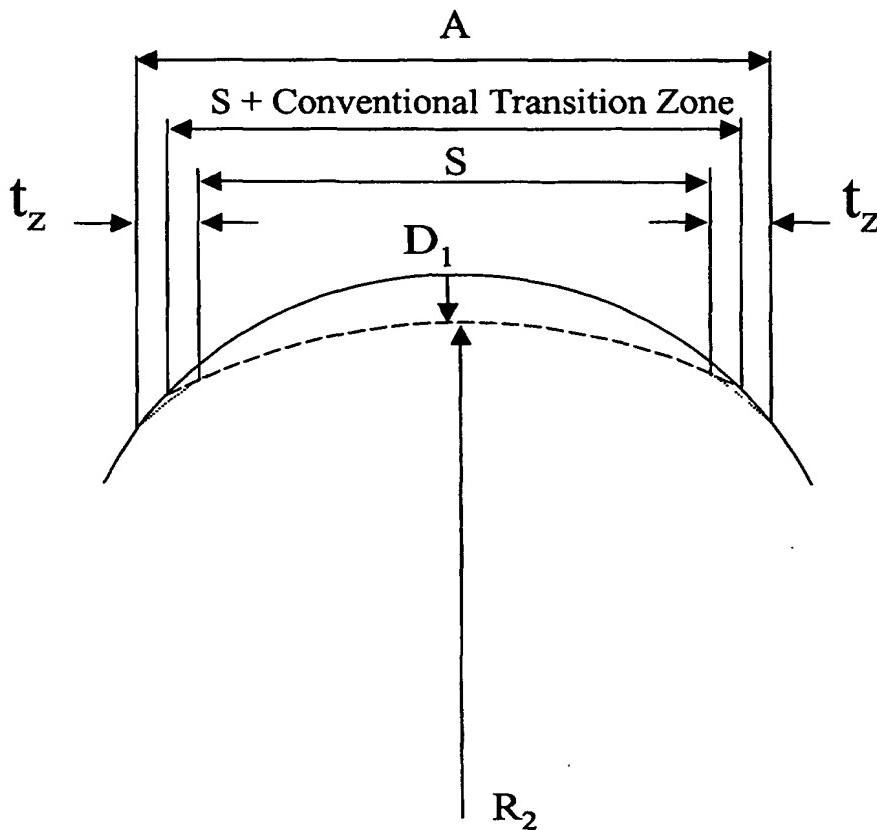
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*[Continued on next page]*

(54) Title: CUSTOMIZED TRANSITION ZONE SYSTEM AND METHOD FOR AN ABLATION PATTERN



(57) Abstract: The present invention discloses a corneal refractive procedure providing a customized transition zone. The customized transition zone provided according to the methods (900) and systems (1000) of the present invention exhibits continuous curvature between an ablated optical zone and a non-ablated zone to address curvature discontinuity at the edge of the optical zone, thereby minimizing the biomechanical response and its post-operative effects on vision.



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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/32616

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 18/18  
US CL : 606/005

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
U.S. : 606/005

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P	US 6,547,393 B2 (Ruiz) 15 April 2003, see the entire document.	1-20
Y,P	US 6,530,917 B1 (Seiler et al.) 11 March 2003, see the entire document.	1-20
Y	US 6,331,177 B1 (Munnerlyn et al.) 18 December 2001, see the entire document.	1-20
Y	US 6,302,877 B1 (Ruiz) 16 October 2001, see the entire document.	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents:

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